

539, 927

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

**(10) International Publication Number
WO 2004/057707 A1**

(51) International Patent Classification⁷: H01R 13/502 (74) Agent: DE VRIES, Johannes, Hendrik, Fokke; De Vries & Metman, Overschiestraat 180, NL-1062 XK Amsterdam (NL).

(21) International Application Number: PCT/EP2003/050993

(22) International Filing Date: 12 December 2003 (12.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 1022225 20 December 2002 (20.12.2002) NL

(71) Applicant (*for all designated States except US*): FCI [FR/FR]; 145/147 rue Yves Le Coz, F-78000 Versailles (FR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): MITRA, Niranjan Kumar [NL/NL]; Robijnring 27, NL-5629 GH Eindhoven (NL). DROESBEKE, Gert [BE/BE]; Pallo 15, B-2440 Geel (BE).

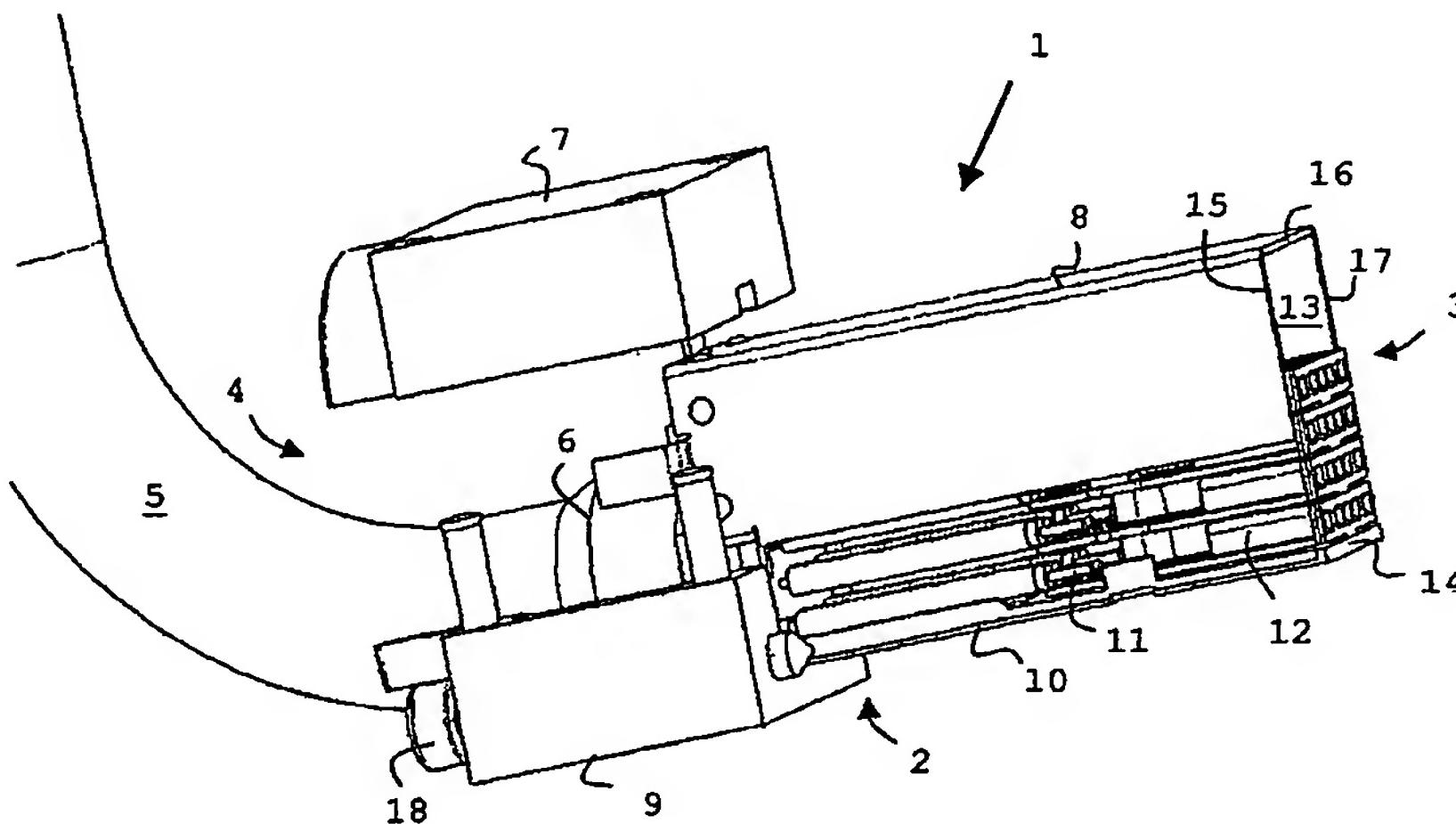
(81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

[Continued on next page]

(54) Title: CABLE CONNECTOR AND METHOD OF ASSEMBLING A CABLE TO SUCH A CABLE CONNECTOR



WO 2004/057707 A1

(57) Abstract: The invention relates to a cable connector (1) comprising a housing having a die-cast base (2) substantially extending between a front side (3) and a rear side (4) of the connector (1). The connector (1) further comprises a die-cast first housing part (7) mounted to the die-cast base (2) such that the die-cast first housing part (7) and a first portion (9) of the die-cast base (2) determine a first cable connector portion at the rear side (4). The cable connector (1) further comprises a metal sheet formed second housing part (8) mounted to the die-cast base (2) such that the metal sheet formed second housing part (8) and a second portion (10) of the die-cast base (2) determine a second cable connector portion at the front side (3). This cable connector (1) is suited as a high density I/O cable connector. The invention further relates to a method of assembling a cable (5) to such a cable connector (1) and a metal sheet formed housing part (8).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.